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	Archæologia, Vol. XV. London, 1806. 4°	The Society of Antiquaries.
	Plates XVIII. XIX. and XX. of Vol. IV. of Vetusta Monumenta.	Annual Communication of the Co
***	Transactions of the Society for the encouragement of Arts, Manufactures, and Commerce, Vol. XXIII. London, 1805.	The Society for the Encouragement of Arts, Manufactures, and Commerce.
	Transactions of the Royal Society of Edinburgh, Vol. VI. Part I. Edinburgh, 1806. 4°	The Royal Society of Edinburgh.
•	Asiatick Researches, Vol. VIII. Calcutta, 1805.	The Asiatick Society of Bengal.
	Kongl. Vetenskaps Academiens Nya Handlingar, Tom. 26. för år 1805. 3d and 4th quarter, and Tom. 27. för år 1806, 1st quarter. Stock- holm.	The Royal Academy of Sciences of Stockholm.
	Fasciculus 9 and 10 of a Synopsis of the British Confervæ, by L. W. Dillwyn.	Lewis Weston Dillwyn, Esq. F. R. S.
	The History of a new Method of inoculating discovered in England; by Alex. Pearson; translated into Chinese by Sir George Staunton. Canton, 10th year of the reign of Kia King.	Sir G. Thomas Staunton, Bart, F. R. S.
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	The same in English. Mscr. 4.	processing the state of the sta
	Werneria. Part II. London. 1806.	Rev. Stephen Weston, B.D. F. R.S.
	Bibliotheque Britannique. No. 245—254. Analyse et Tableaux de l'Influence de la Petite Verole sur la Mortalité àchaque Age, par E. E. Duvillard. Paris, 1806.	Professor Pictet, F. R. S. M. Duvillard.
•	Traité Elementaire de Physique, par M. l'Abbé Hauy, seconde edition. Paris, 1806. Tomes 2.	Abbé Hauy, de l'Institut de France.

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The Philosophical Transactions abridged. Vol. IX. Parts III. IV. and Vol. X. Parts I. II. III.

The Literary Journal. June—October, 1806.

Practical Observations on the principal Diseases of the Eyes, translated from the Italian of Ant. Scarpa, by J. Briggs. London, 1806.

An Epitome of Chemistry, by W. Henry, 4th edition. Edinburgh, 1806.

A Journal of Natural Philosophy, by W. Nicholson. No LVII. to LXII.

The Philosophical Magazine, by A. Tilloch. No XCVII—ČI.

The Critical Review. June-October, 1806.

27. Facts, Observations, and Conjectures relative to the Generation of the Opossum of North America. Philadelphia, 1806.

Essai sur le Monde, par H. Azaïs. Paris, 1806.

An Abstract of the whole Doctrine of the Christian Religion, by J. A. Freylinghausen. The First Book stereotyped by the new Process. London, 1804.

The Book of Common Prayer. Cambridge. Stereotype Edition.

Entick's spelling Dictionary, revised by J. Robinson. Stereotype Edition. London, 1806. 8°

A Letter to the Earl of Moira, on the Accusations brought against H. R. H. the Prince of Wales, by Mr. Paull. London, 1806.

Dec. 11. Royal Humane Society, Annual Report. 1806. London.

Fasciculus XI. of a Synopsis of the British Confervæ, by L. W. Dillwyn.

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1807. Jan. 8. The Literary Journal. December, 1806.

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A Meteorological Journal of the Year 1806, kept in London, by W. Bent. London, 1807.

22. Mémoires de l'Academie Royale des Sciences et Belles Lettres, 1803. Berlin, 1805. Astronomisches Jahrbuch für das Jahr 1809, von

I. E. Bode. Berlin, 1806.

29. A short Account of the Cause of the Disease in Corn called by the Farmers, the Blight, the Mildew, and the Rust, by the Right Hon: Sir Joseph Banks, Bart. K. B. with Annotations by an Agriculturist. London, 1807. 8° Dell' Obliquità dell' Eclittica, Memoria di Gius.

Piazzi. Modena, 1804.

Ricerche di Gius. Piazzi sulla Parallasse annua di alcune delle principale Fisse. Modena, 1805

Del Reale Osservatorio di Palermo, libro sesto. Palermo (1806). fol.

Feb. 5. Charter of the London Institution. London,

The Philosophical 'Transanctions abridged. Vol. XI. Part. II.

A Journal of Natural Philosophy, by W. Nichol. Mr. William Nicholson. son. No. LXVI.

The Philosophical Magazine, by A. Tilloch. No. CIV.

The Critical Review. January, 1807.

12. Nouveau Forceps non croisé, par J. S. Thenance. Lyon, an 10. Essai sur la Theorie des trois Elemens, comparée aux Elemens de la Chimie pneumatique, par M. Tissier. Lyon, 1804.

19. The Nautical Almanac for the year 1811. London, 1806. 8.

Scriptores Logarithmici, or a Collection of Tracts on the Nature and Construction of Logarithms, Vol. VI. London, 1807.

26. Bibliotheque Britannique, No. CCLV. CCLVI. March 5. The Philosophical Transactions abridged. Vol. XI. Part III.

> A Journal of Natural Philosophy, by W. Nicholson. No. LXVII.

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The Critical Review. February, 1807.
12. Meteorological Observations made at Notting-

ham-house, Athapescow Lake, from May 25, 1805, to June 5, 1806, by Peter Fidler. Mscr.

19. Flora Batava, No. XVII. to XXII. Amsterdam.

April 9. The Philosophical Transactions abridged. Vol. XI. Part IV.

A Memoir on the best Method of Measuring Time at Sea, by M. Le Roy, translated from the French by T. S. Evans.

A Journal of Natural Philosophy, by W. Nicholson. No. LXVIII.

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The Critical Review. March, 1807.

 Fasciculus 12, of a Synopsis of the British Confervæ, by L. W. Dillwyn.

Ancient and modern Malta, by L. de Boisgelin. London, 1804. 3 Vols.

Traité de la Fievre jaune d'Amerique, par L. Valentin. Paris, 1803.

Analysis of the mineral Waters of Butterby, by W. R. Clanny, Durham, 1807.

30. Caledonia, by G. Chalmers. Vol. I. London, 1807.

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XII. Part I.
The Philosophical Magazine, by A. Tilloch.

No. CVII.

May 7. The Critical Review. April, 1807.

14. Bibliotheque Britannique. No. CCLVII .-- CCLX.

June 4. A Course of Lectures on natural Philosophy, and the mechanical Arts, by Th. Young. London, 1807. 2 Vols.

The Philosophical Magazine, by A. Tilloch.

No. CVIII. The Critical Review. May, 1807.

 Observations on Fractures of the lower Limbs, by Sir James Earle. London, 1807.
 The Philosophical Transactions abridged. Vol.

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